BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1500000.00

Name of Work: **Detailed Estimate for the work of Improvements to roads and drains at chikkabommasandra main and cross roads in ward no-04.**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no142, PWD SR 2016-17)	cum							
	desilting of existing drain		1	165.00	0.60	0.60	59.40		
			1	500.00	0.60	0.60	180.00		
	culvert		1	6.00	1.50	1.20	10.80		
	for rcc drain 2nd main chikkabommasandra		1	165.00	1.00	1.00	165.00		
							415.20	**96.48**	**40059.00**
	Basic Rate	82.00							
	Ad-HOC 11%	9.02							
	Sub Total	91.02							
	Area Weightage 6%	5.46							
	Grand Total	96.48							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				**415.20**	**110.13**	**45726.00**
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	93.60							
	Ad-HOC 11%	10.30							
	Sub Total	103.90							
	Area Weightage 6%	6.23							
	Grand Total	110.13							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No.KBS 4.1, 4.2 (P.12/I.4.3)/ PWD SR 2016-17	Cum							
	culvert		1	6.00	1.50	0.15	1.35		
	for drains		1	165.00	1.00	0.15	24.75		
							26.10	**5726.51**	**149462.00**
	Basic Rate	4867.00							
	Ad-HOC 11%	535.37							
	Sub Total	5402.37							
	Area Weightage 6%	324.14							
	Grand Total	5726.51							
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 265 Ite mo 37.59.2 SR 2016-17	Cum							
	for RCC drains		1	165.00	0.90	0.15	22.28		
	side walls	1x2	2	165.00	0.15	0.70	34.65		
	culvert		1	6.00	1.20	0.23	1.66		
			2	6.00	0.23	0.90	2.48		
							61.07	**12246.05**	**747805.00**
	Basic Rate	10408.00							
	Ad-HOC 11%	1144.88							
	Sub Total	11552.88							
	Area Weightage 6%	693.17							
	Grand Total	12246.05							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Quintal							
	for rcc drain 65 kg/cum		0.650	56.93			37.00		
	for rcc culvert 80 kg/cum		0.800	4.14			3.31		
				61.07			40.31	7154.55	288423.00
	Basic Rate	6080.70							
	Ad-HOC 11%	668.88							
	Sub Total	6749.58							
	Area Weightage 6%	404.97							
	Grand Total	7154.55							
7	RCC Precast covering slab for drain (10cm thick)	sqm							
			1	118.00	0.75		88.50		
							88.50	2100.00	185850.00
	Rate Approved by BBMP	2100.00							
8	Providing precast slab of **250 mm thick including cost of all** materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-	sqm							
			9	1.50	0.60		8.10		
							8.10	5111.00	41399.00
	Data Rate	5111.00							
9	Miscellaneous charges								1276.00
								Total	1500000.00

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramanayeenl
Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval
Accorded For 15-00 lakhs.
Head of A/C P-1771.
CER NO :370 Dt:16-2-18

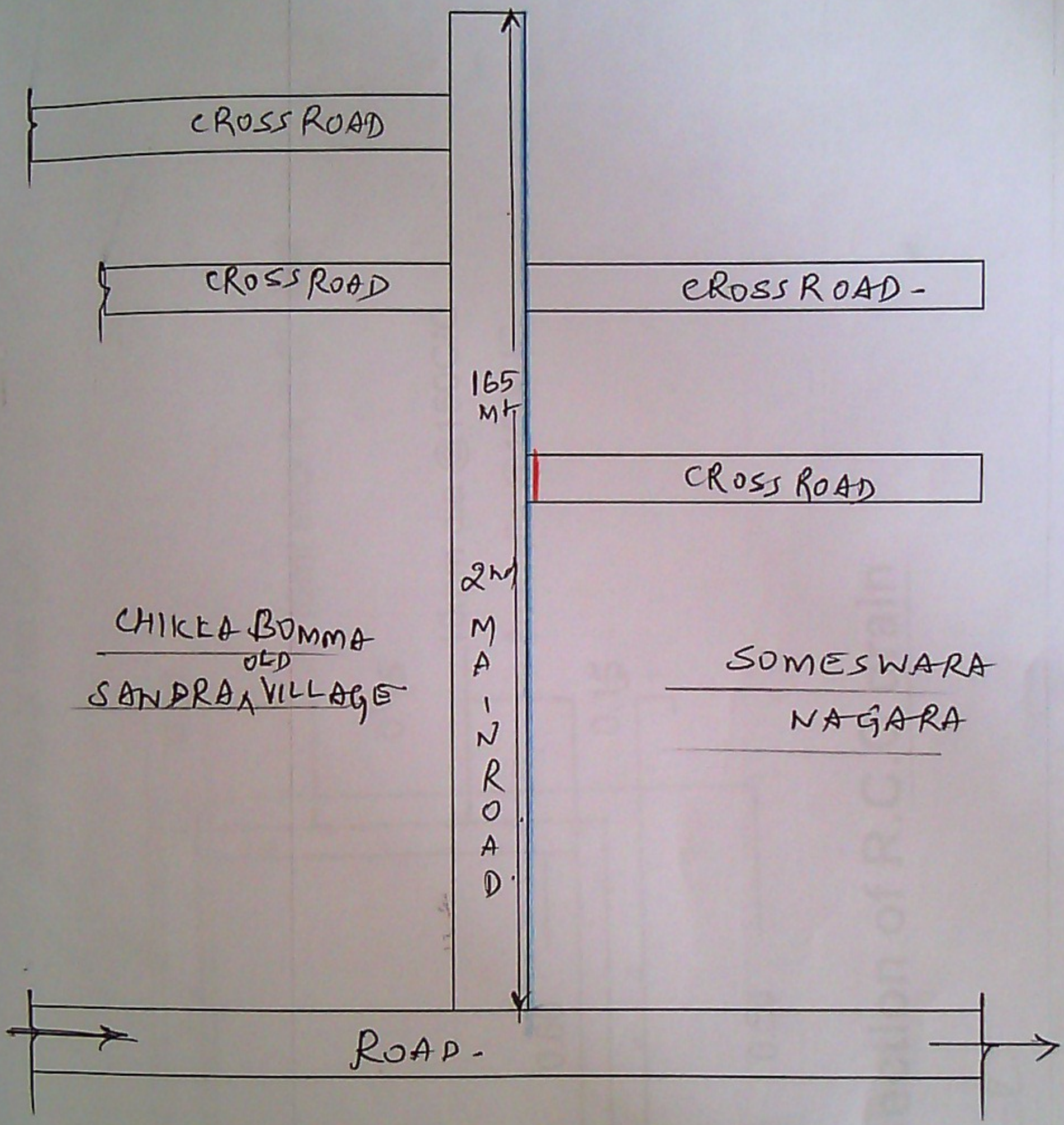
TA

CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 15.00 Lacs
Rupees Fifteen Lacs
Under P.1771 - 2017-18
Registered as CE ( ) No
Subject to corrections noted in enclosed memo ( )
Dt
EE/YNK/TS/95/17-18
Dated 16-02-2018 15.00 Lacs

NAME OF WORK:

Improvements to roads and drains at chikkabommasandra main and cross roads in ward no-04.



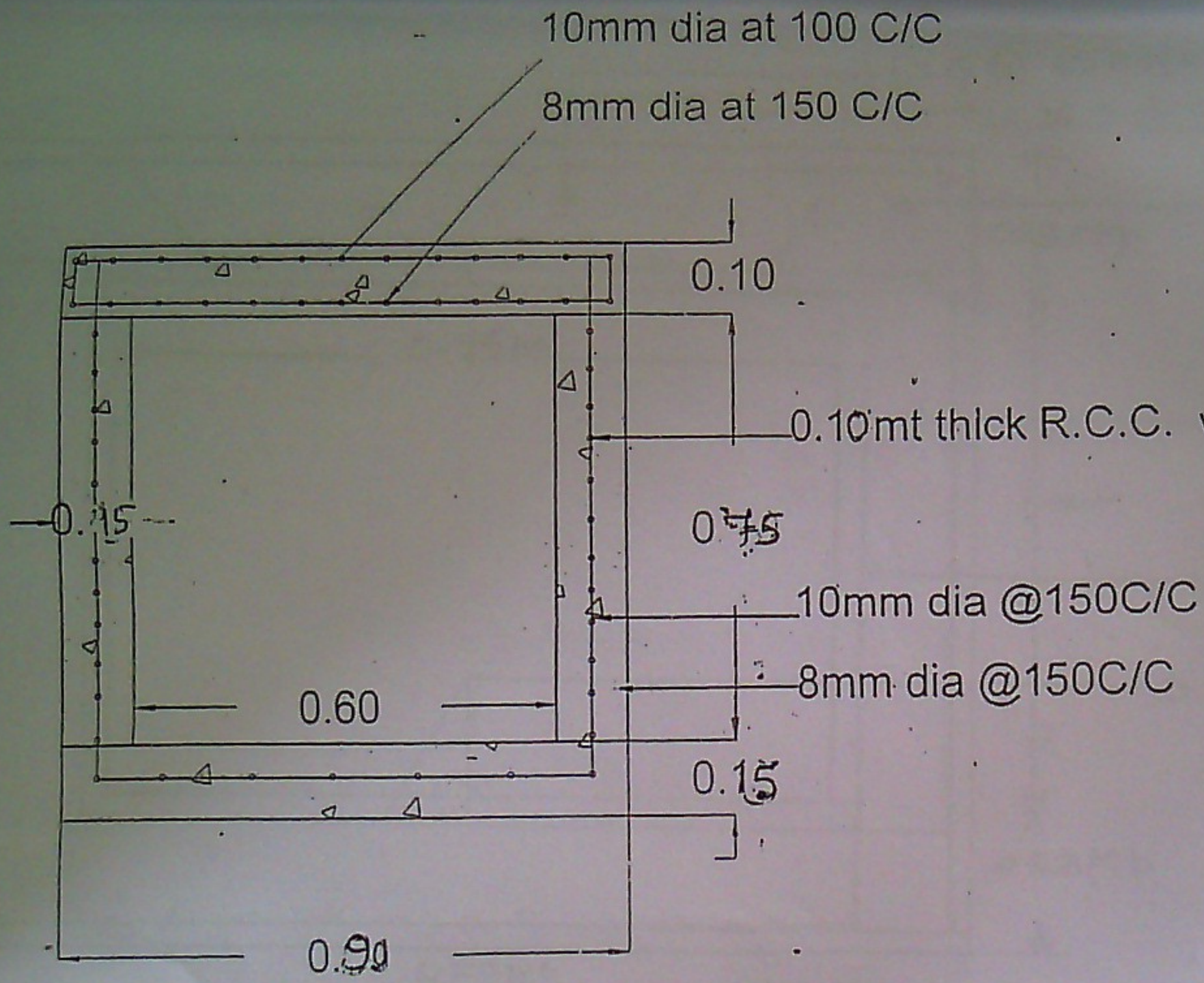
INDEX: PROPOSED

RCC DRAIN

A.E.E.

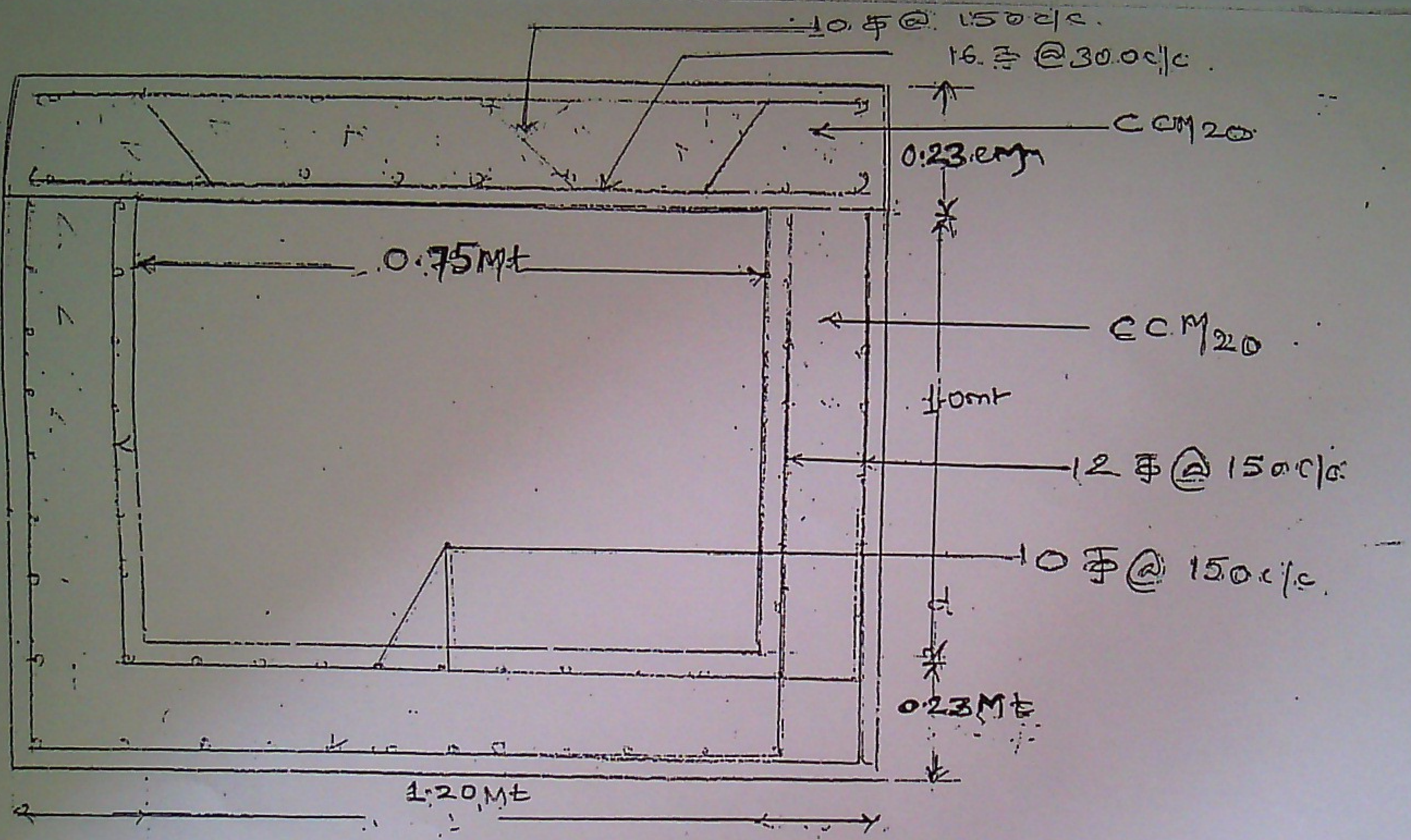
CULVERT.

A.E. Ramanjaneah



Cross section of R.C.C drain

Ramanjeevi



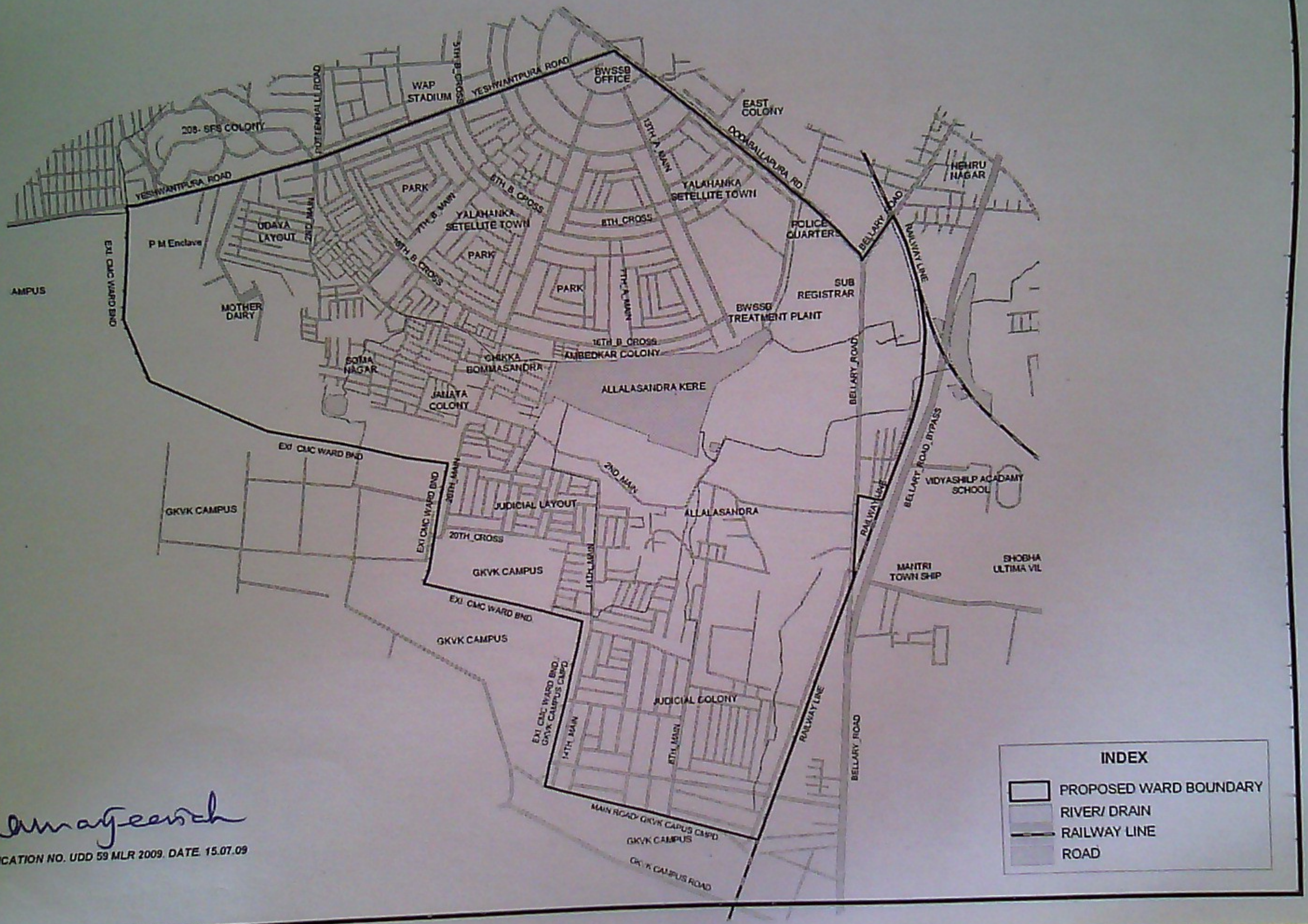
CROSS SECTION OF R.C.C. CULVERT

Ramanjeeth

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 4 - YELHANKA SATELLITE TOWN

150 - YELAHANKA AC

N



INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

Ramagreesh

NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.09